

CLEARION

WATER TECHNOLOGIES



Upflow Filter Manual

Installation / Operation Manual

General Specifications	CLU10	CLU15	CLU20	CLU25
Filter Media Type ¹	Less Filter Media			
Filter Media Capacity (cu ft)	1.0	1.5	2.0	2.5
Mineral Tank Size	9 x 48	10 x 54	12 x 52	13 x 54
Service Flow Rate - Continuous (gpm)	4	5	6	8
Service Flow Rate - Intermittent (gpm)	6	7	8	10
Space Required (D x W x H)	9 x 9 x 52	10 x 10 x 58	12 x 12 x 56	13 x 13 x 58
Approximate Shipping Weight (lbs)	20	25	30	35

Filter Media Selection Guide

Media	Description	Handles
Neutralizer	Granular / White / Sacrificial to water with pH < 7.0 / Max pH correction to 7.2 / Lowest pH application 5.8 / Must be replenished about every 3-6 months	pH Correction
Corosex™	Semi-round / Off-White / Magnesium Oxide / Extremely reactive to pH dissolving rapidly adding alkalinity / 30% Corosex™ - 70% Neutralizer is best blend for correcting low pH / Will raise pH from lows around 5.0 to as high as 9.0+ / Must be replenished frequently / Consult factory with specific application questions	pH Correction
Neu-Cor™	70% Neutralizer / 30% Corosex™ mix / Sacrificial to water with any pH / Max pH correction determined by contact time used for correction of extremely low pH down to 5.0 / Must be replenished every 3-6 months	pH Correction
Granular Activated Carbon	Granular / Black / Wide application for removal of organics, some inorganics and Chlorine / Must be replaced on a regular basis / Life expectancy varies based on use	Taste / Odor / Color Chlorine / Iodine Removal

Sealants

Pipe dope and liquid thread sealers may contain a carrier that attacks some plastic materials. It is recommended that Teflon® tape be used to seal plastic Noryl® threaded fittings.

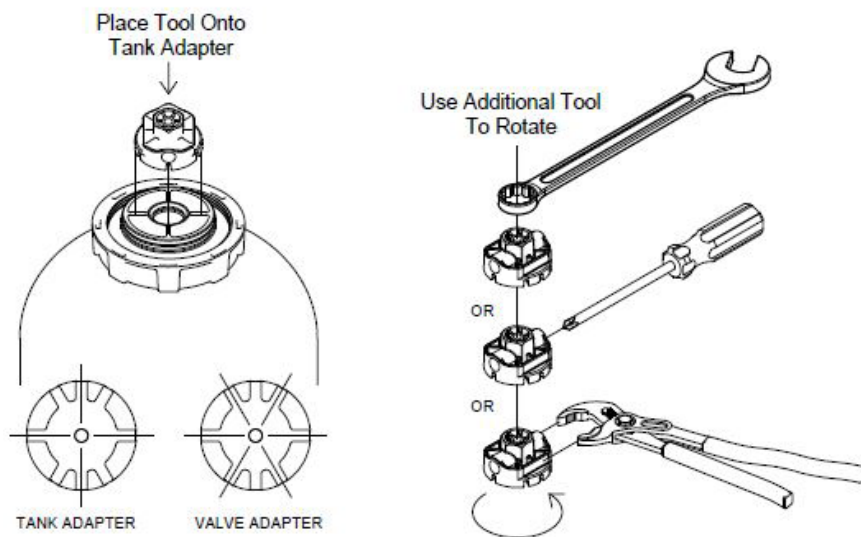
Installation Instructions

- 1. Unpacking:** Check product label located on outside of tank carton against cartons received. The large carton contains the filter tank. Filling material is packaged separately.
- 2. Location:** For complete customer satisfaction, all water in the home should be filtered with the exception of the outside faucets. Select a location near the water service inlet. Be certain that all sides of the filter are easily accessible for service and maintenance. On a private water system, locate filter after the pressure tank but prior to the hot water tank.
- 3. Mineral:** The filling material is shipped separately from the tank. The tank must be loaded with mineral after the tank has been placed at the desired location. Remove the manifold by unscrewing from center hole. Plug top of distributor tube to prevent mineral from entering tube while filling. Place funnel in hole. Pour several gallons of water in the tank. Pour in the filling material. No gravel is required. The required quantity of each type of filter material is shown under specifications. When filled, the tank should be approximately two-thirds full. Fill tank with water by using a garden hose or several buckets of fresh water. This will permit the filter material to become soaked while preparing the installation. Remove funnel and plug from distributor tube. Replace the manifold, being careful to position the distributor tube into the distributor tube pilot.

Note: No gravel is required with a Vortech style tank. (Vortech tanks are marked with a Vortech sticker.)

- 4. Water Supply Connections:** Inlet and outlet connections are 1" pipe size. Turn off the main water supply and connect pipes, valves and fittings.

Caution: Raised arrows located on the sides of upflow manifold and bypass valve indicate proper direction of water flow. Install inlet and outlet piping in direction of arrows. It is recommended that a vacuum breaker be installed on the inlet plumbing.



NOTE: If using neutralizer or Neu-Cor media for pH correction, filter material will need to be added to the media tank approximately every six (6) months to one (1) year. If using carbon material, media will need to be replaced every periodically, depending on the application.

WATER TREATMENT EQUIPMENT

This warranty cannot be transferred - it is extended only to the original purchaser or first user of the product. By accepting and keeping this product, you agree to all of the warranty terms and limitations of liability described below.

Important Warning: Read carefully the ClearionWater Treatment Systems Equipment Installation, Operating and Maintenance Instructions Manual to avoid serious personal injury and property HAZARDS and to ensure safe and proper care of this product.

Model Numbers Covered:
Water Softeners, Media Filters and Upflow Filters

*FOR AS LONG AS YOU OWN AND LIVE IN YOUR SINGLE FAMILY HOME, this warranty covers your water treatment equipment, if you are the first user of this ClearionWater Treatment Systems equipment and purchased it for single family home use - subject to all of the conditions, limitations and exclusions listed below. Purchasers who buy the ClearionWater Treatment Systems equipment for other purposes, and other component parts are subject to more limited warranties and you should read all of the terms included in this form to make sure you understand your warranty.

What is covered by this warranty?
ClearionWater Treatment Systems warrants that at the time of manufacture, the water treatment equipment shall be free from defects in material and workmanship as follows :

Product	Warranty
Residential Mineral Tank	10 Years
Proprietary Control Valves	7 Years
Other Softener / Filter Control Valves	5 Years
Brine Tank	5 Years
Residential Reverse Osmosis System	5 Years
Other Accessoris and Parts	1 Year
Brine Tank Components	1 Year

* This warranty does not include media and/or cartridge filter elements.

Additional Terms & Conditions
What Clearion Water Treatment Systems will do if you have a covered warranty claim Clearion will at its option either make repairs to correct any defect in material or workmanship or supply and ship either new or used replacement parts or products. Clearion will not accept any claims for labor or other costs.

Additional Exclusions and Limitations
This warranty is non-transferable and does not cover any failure or problem unless it was caused solely by a defect in material or workmanship. In addition, this warranty shall not apply :

- If the water treatment equipment is not correctly installed, operated, repaired and maintained as described in the Installation, Operating & Maintenance Instructions Manual provided with the product.
- Defects caused as a direct result of the incoming water quality
- If the tank is not the size indicated for the supply line size of

- the installation, as described in the manual.
- To any failure or malfunction resulting from abuse (including freezing), improper or negligent; handling, shipping (by anyone
- If the unit has not always been operated within the factory calibrated temperature limits, and at a water pressure not exceeding 125 psi other than Clearion), storage, use, operation, accident; or alteration, lightning, flooding or other environmental conditions;
- To any failure or malfunction resulting from failure to keep the unit full of potable water, free to circulate at all times; and with the tank free of damaging water sediment or scale deposits;
- This warranty does not cover labor costs, shipping charges, service charges, delivery expenses, property damage, administrative fees or any costs incurred by the purchaser in removing or reinstalling the water treatment equipment.
- The warranty does not cover any claims submitted to Clearion more than 30 days after expiration of the applicable warranty, and does not apply unless prompt notice of any claim is given to an authorized Clearion Dealer or to Clearion or a designated contractor is provided access to the installation and to the water treatment equipment.

THESE WARRANTIES ARE GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. NO Clearion REPRESENTATIVE OR ANY OTHER PARTY IS AUTHORIZED TO MAKE ANY WARRANTY OTHER THAN THOSE EXPRESSLY CONTAINED IN THIS WARRANTY AGREEMENT.

Additional Warranty Limitations
ANY IMPLIED WARRANTIES THE PURCHASER MAY HAVE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE APPLICABLE TIME PERIODS SPECIFIED ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Limitations of Remedies
The remedies contained in this warranty are the purchaser's exclusive remedies. In no circumstances will Clearion or the seller of the product be liable for more than, and purchaser-user's remedies shall not exceed, the price paid for the product. In no case shall Clearion or seller be liable for any special, incidental, contingent or consequential damages. Special, incidental, contingent and consequential damages for which Clearion is not liable include, but are not limited to, inconvenience, loss or damage to property, consequential mold damage, loss of profits, loss of savings or revenue, loss of use of the products or any associated equipment, facilities, buildings or services, downtime, and the claims of third parties including customers. Some states do not allow the exclusion or the limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

What to do if you have a problem covered by this warranty
Any warranty coverage must be authorized by Clearion. Contact the person from whom you purchased the product, who must receive authorization from a Clearion Dealer .

If your product is new and not used and you wish to return it, contact your Clearion Dealer.